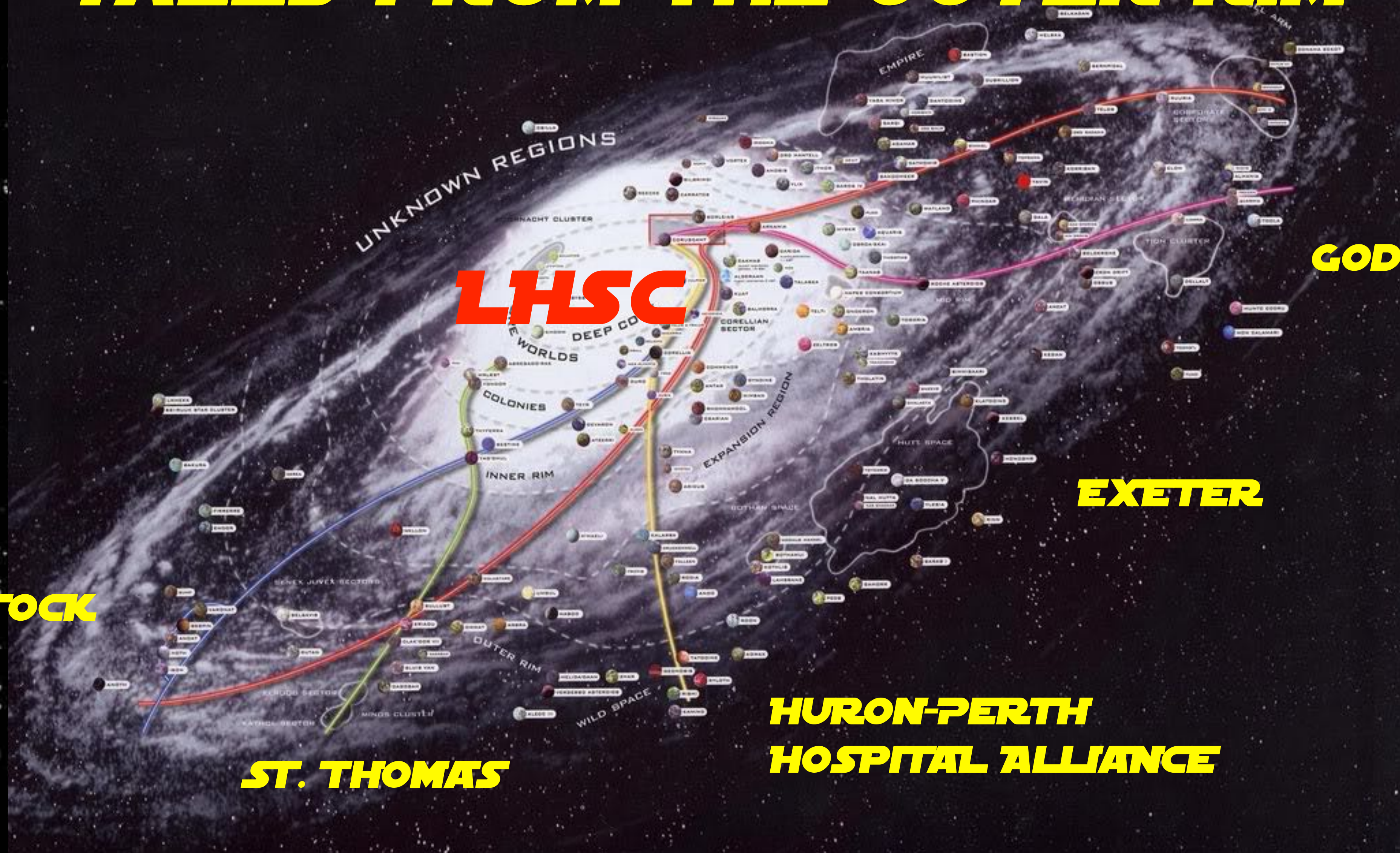


TALK TRAUMA 2017

I FIND YOUR LACK OF EBM

DISTURBING

TALK TRAUMA 2017: TALES FROM THE OUTER RIM

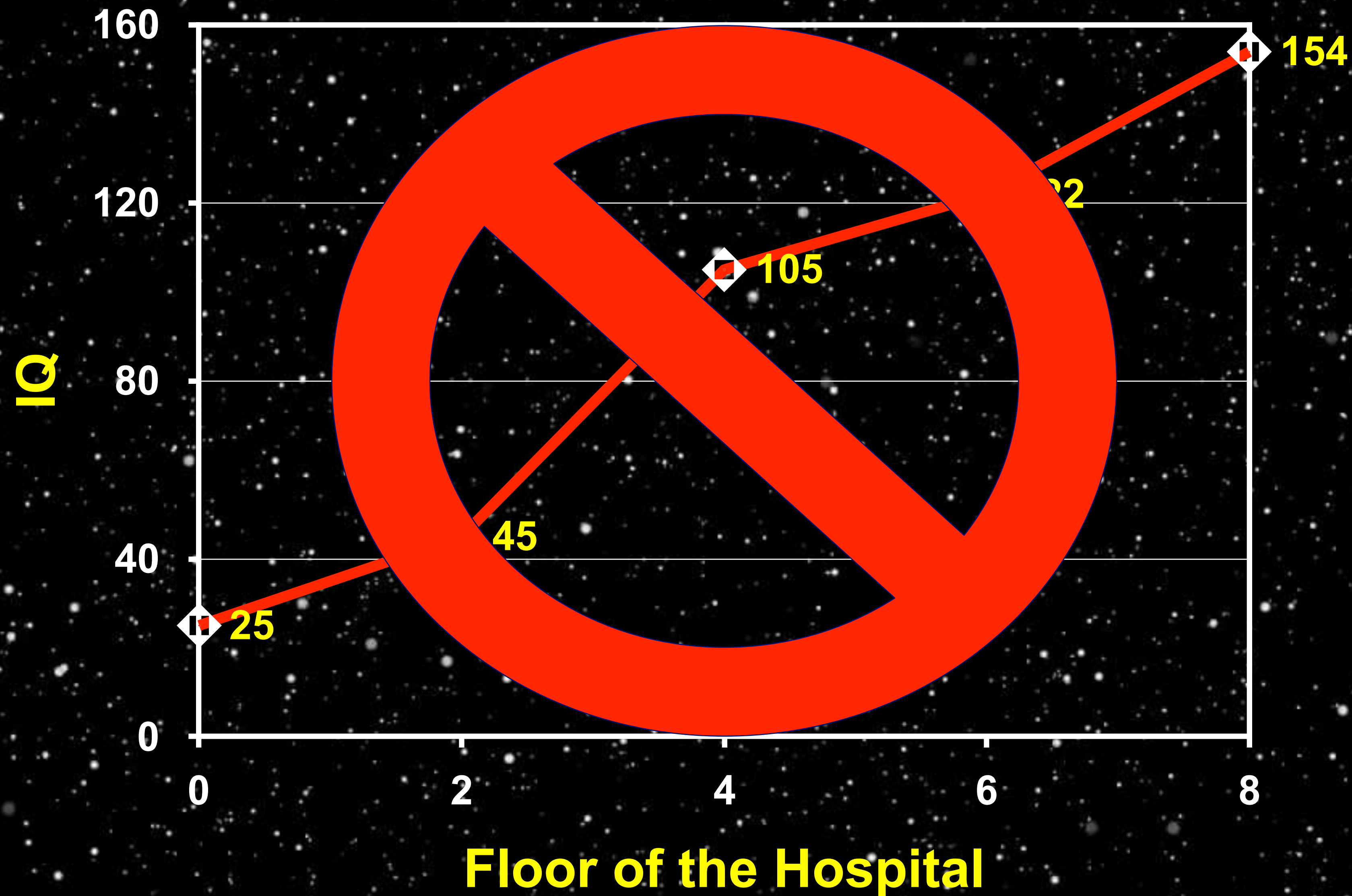


SOUTH HURON HOSPITAL

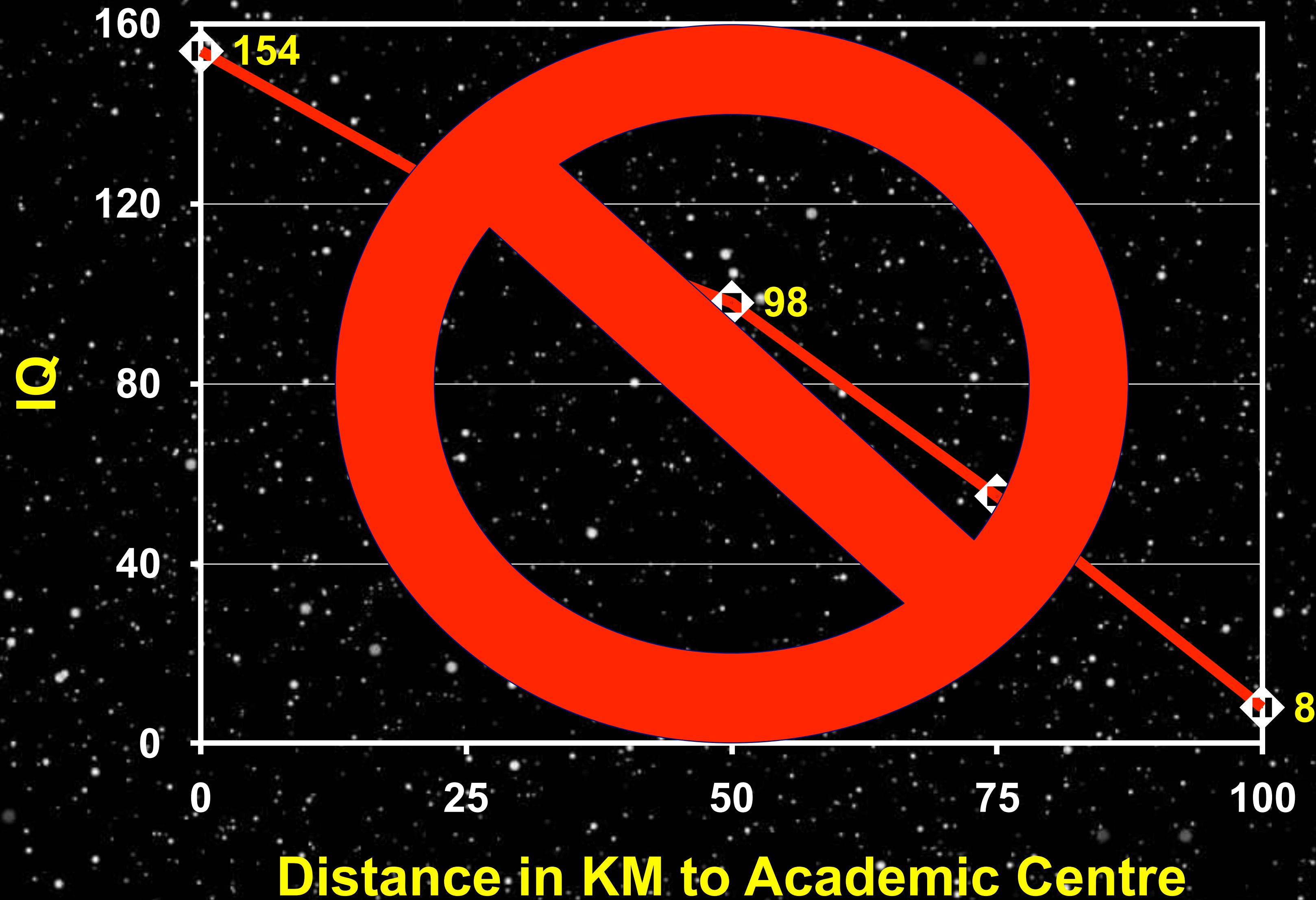
"The Little Hospital That Does..."



MYTH#1: INTELLIGENCE IS ALTITUDE RELATED

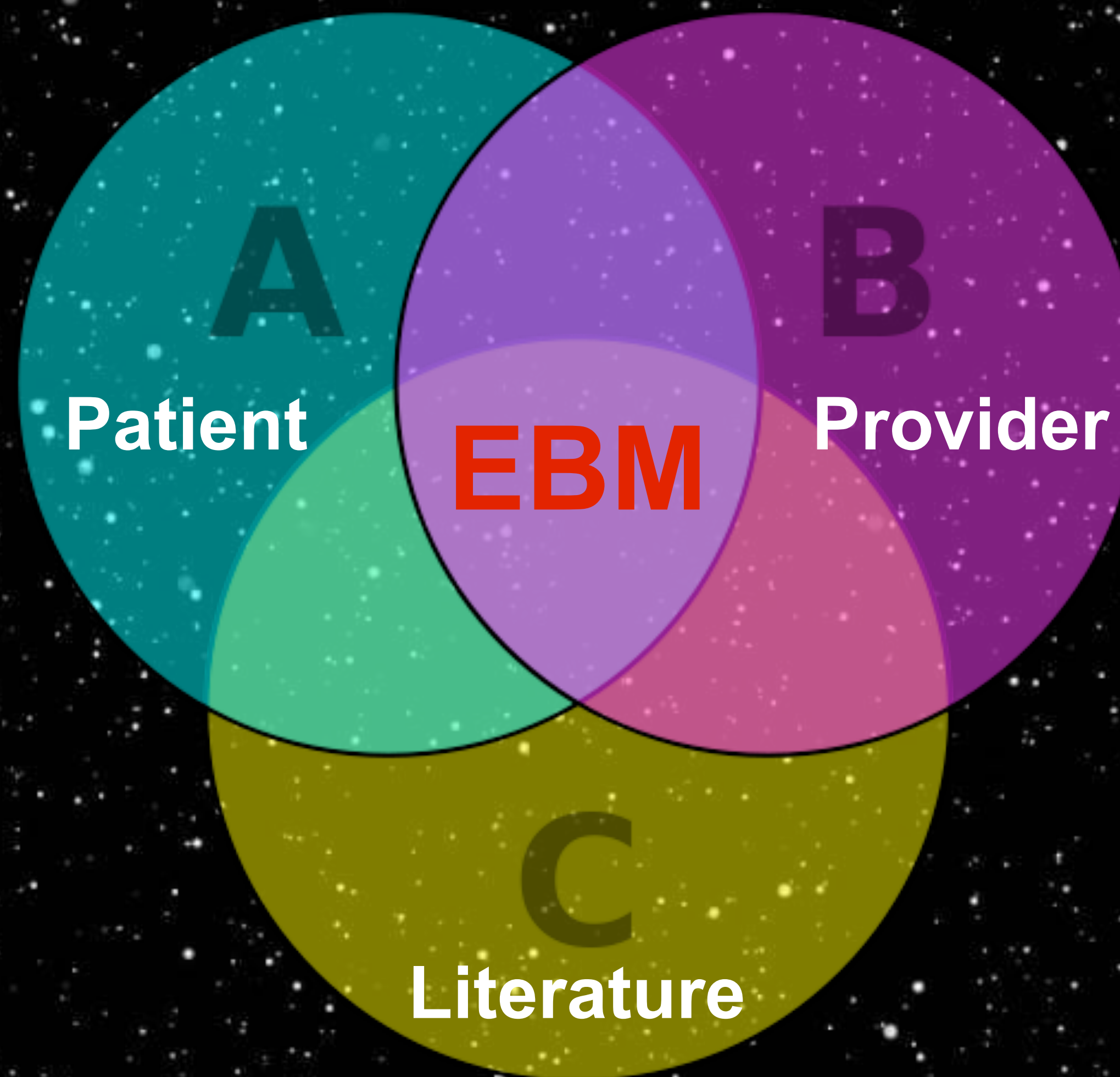
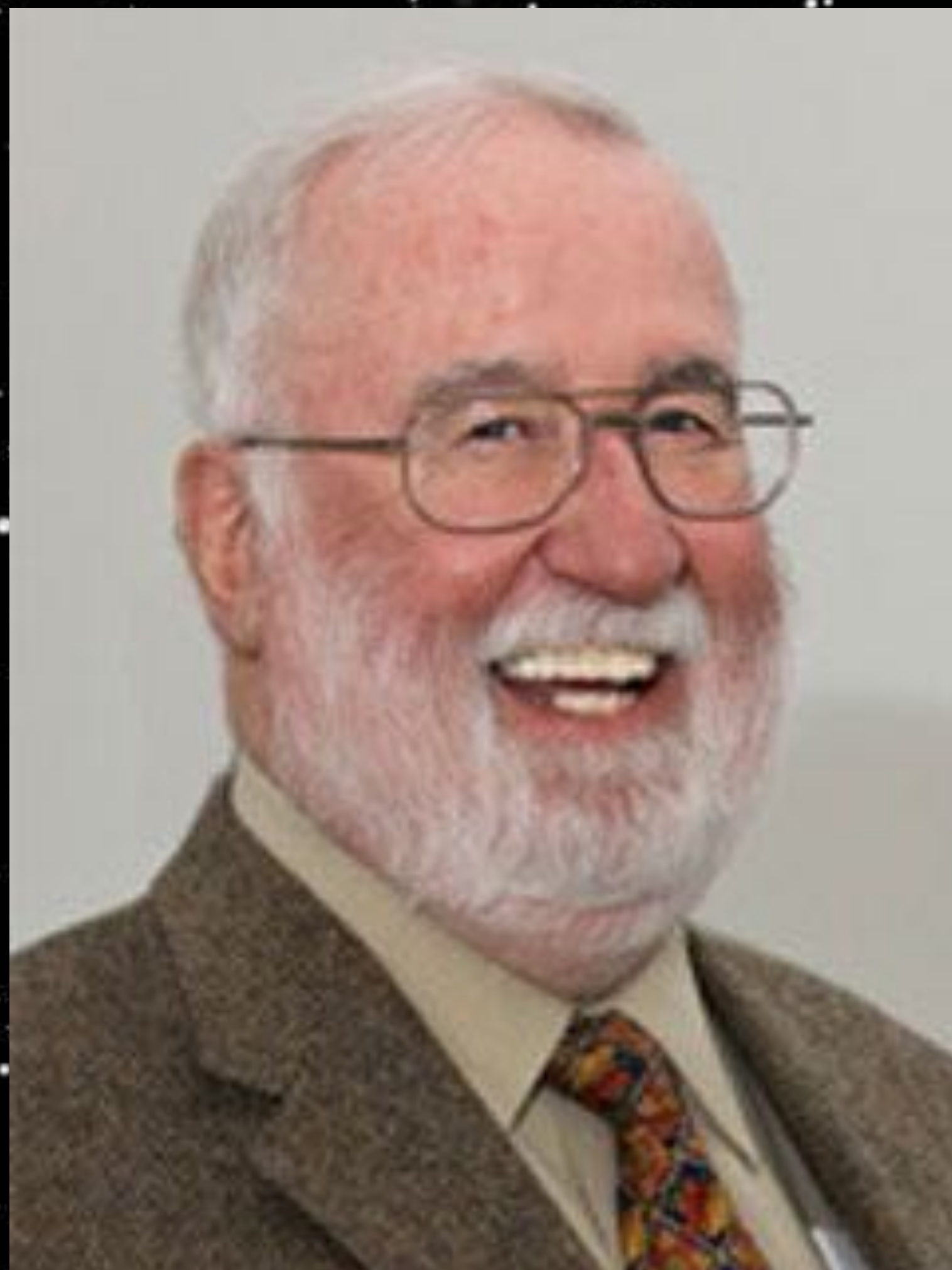



MYTH#2: INTELLIGENCE INVERSELY RELATED TO DISTANCE TO THE CITY



EVIDENCE BASED MEDICINE





Three Stormtroopers from Star Wars stand in a row against a futuristic background with blue and purple circular patterns and a starry space sky at the top. Each trooper holds a blaster rifle. The trooper on the left has the text 'RURAL ACE' on its chest, the middle one has 'IT ALL DEPENDS', and the right one has 'BE A SKEPTIC'.

**RURAL
ACE**

**IT ALL
DEPENDS**

**BE A
SKEPTIC**

CPR: MAN OR MACHINE ?



Review article

Mechanical chest compression for out of hospital cardiac arrest: Systematic review and meta-analysis[☆]



Simon Gates^{a,*}, Tom Quinn^{b,g}, Charles D. Deakin^{c,d}, Laura Blair^e, Keith Couper^{a,f},
Gavin D. Perkins^a

NEJM 2015



P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

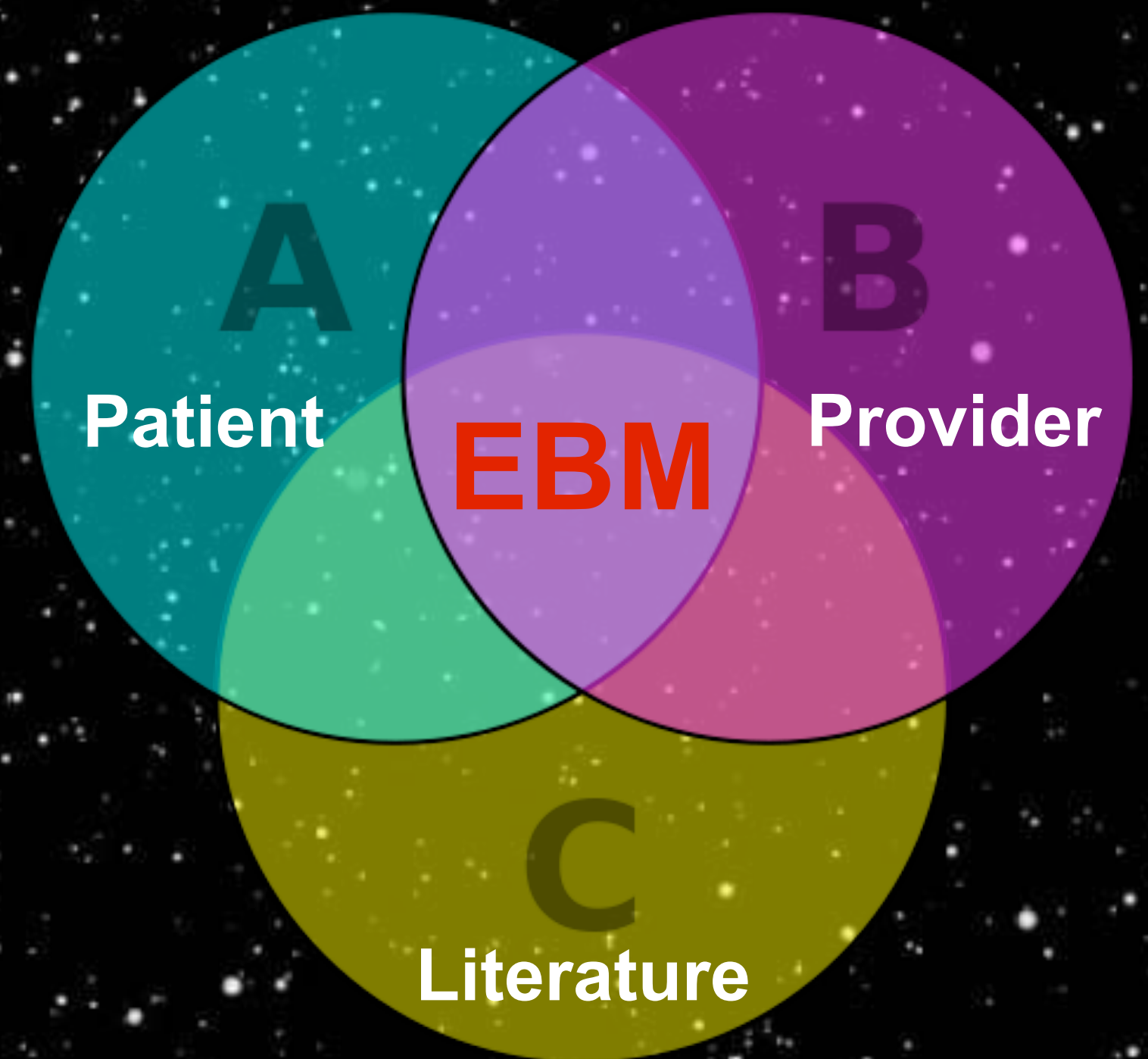


***MECHANICAL COMPRESSION
NOT SUPERIOR***

CPR: MAN OR MACHINE ?



***MECHANICAL
CHEST
COMPRESSION
DEVICES DO NOT
APPEAR
SUPERIOR TO
MANUAL CHEST
COMPRESSION FOR
OHCA.***



SCEM#136: MAN OR MACHINE



***HYPERTONIC SALINE FOR
TRAUMATIC BRAIN INJURY***



[Article](#)

[Supplementary materials](#)

[Metrics](#)

Volume 18, Issue 2 March 2016, pp. 112-120

Cited by 2

Hypertonic saline in severe traumatic brain injury: a systematic review and meta-analysis of randomized controlled trials

[Elyse Berger-Pelleiter](#) ^(a1) ^(a2), [Marcel Émond](#) ^(a1) ^(a2), [François Lauzier](#) ^(a1) ^(a3) ^(a4), [Jean-François Shields](#) ^(a2) ^(a3) ... [+](#)



P

• Patient

I

• Intervention

C

• Comparison

O

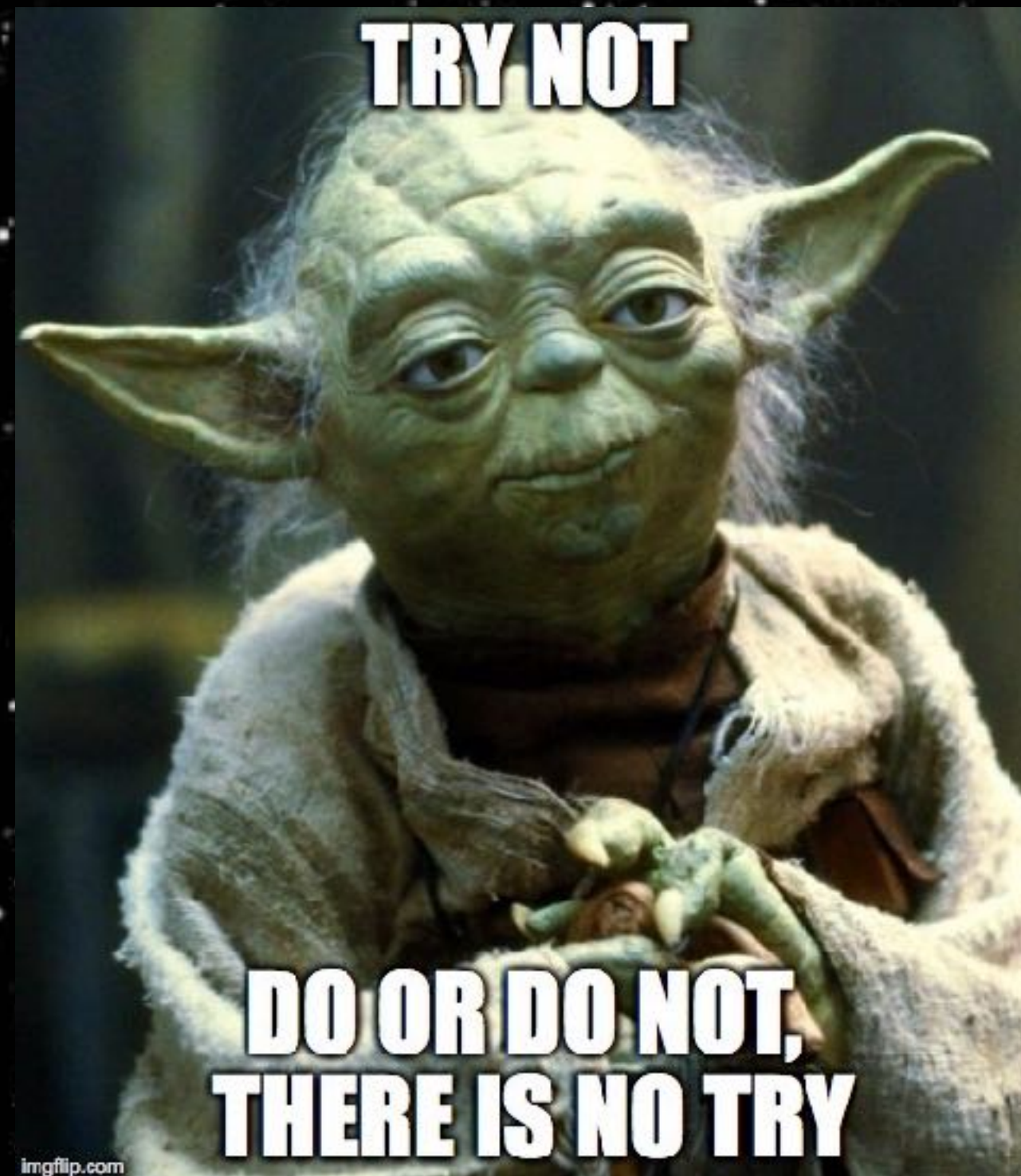
• Outcome

KEY RESULTS AND LIMITATIONS

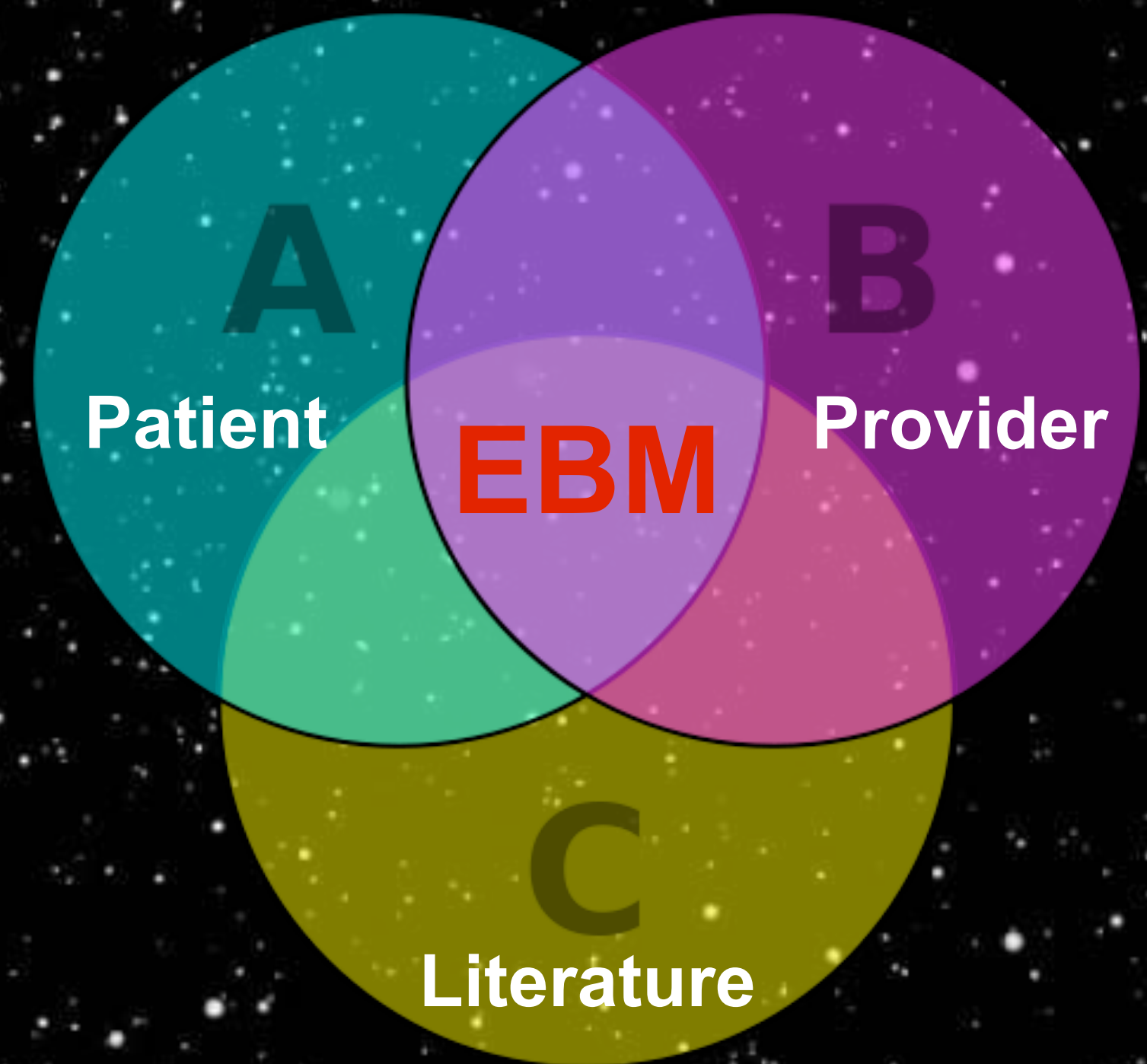


***NO DIFFERENCE MORTALITY
MORE HYPERNATREMIA***

HYPERTONIC SALINE FOR TBI

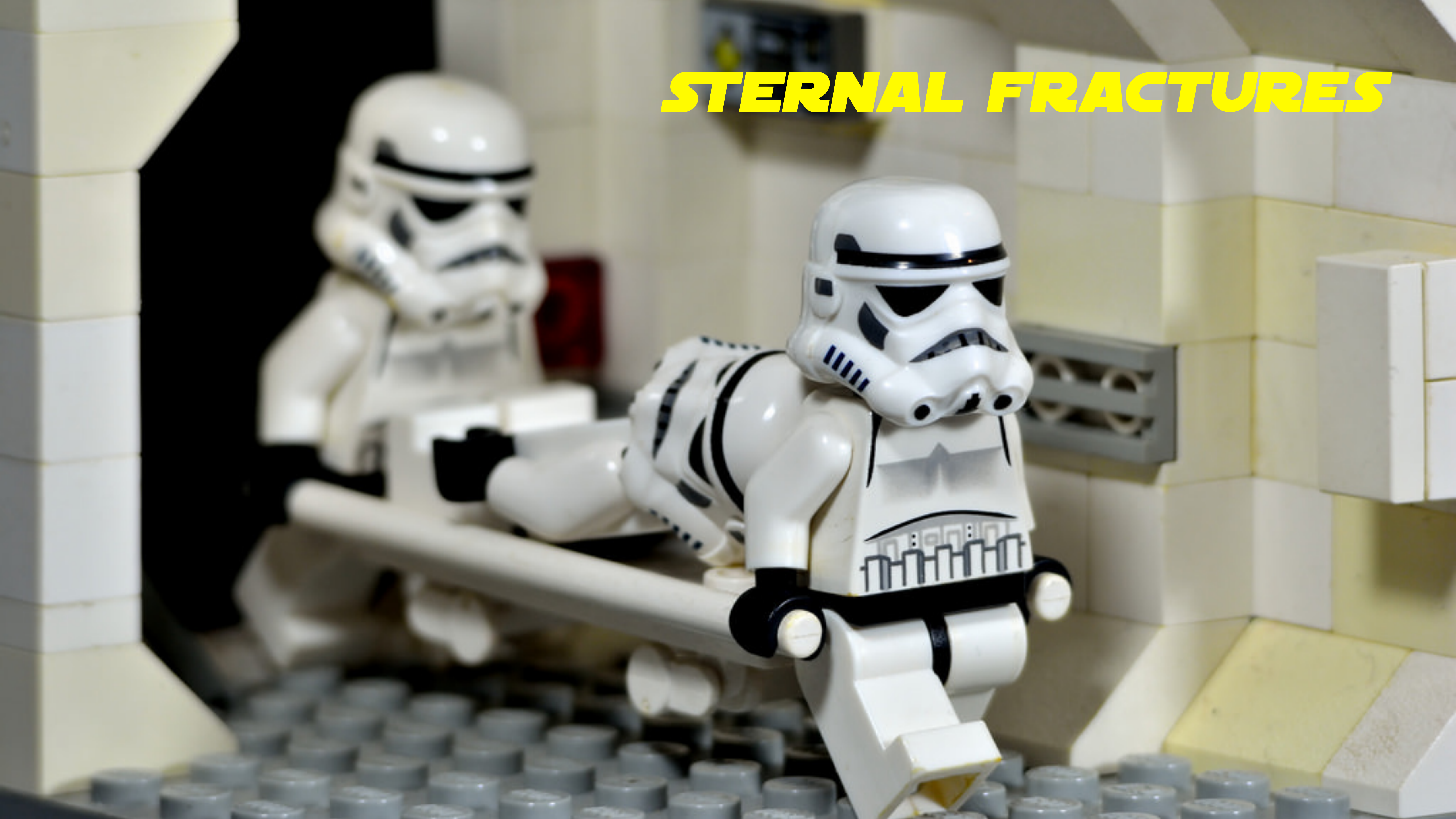


***HYPERTONIC
SALINE AS A
1ST LINE
TREATMENT
FOR PATIENTS
WITH SEVERE
TBI CANNOT BE
RECOMMENDED
AT THIS TIME.***



SGEM#150: HYPERTONIC SALINE FOR TBI

STERNAL FRACTURES





Article

Metrics

Volume 18, Issue 5 September 2016, pp. 349-357

Delayed complications and functional outcome of isolated sternal fracture after emergency department discharge: a prospective, multicentre cohort study

Samuel Racine ^{(a1) (a2) (a3)}, Marcel Émond ^{(a1) (a2) (a3)}, Jean-Sébastien Audette-Côté ^(a4), Natalie Le Sage ^{(a1) (a2) (a3)} ... 



P

• Patient

I

• Intervention

C

• Comparison

O

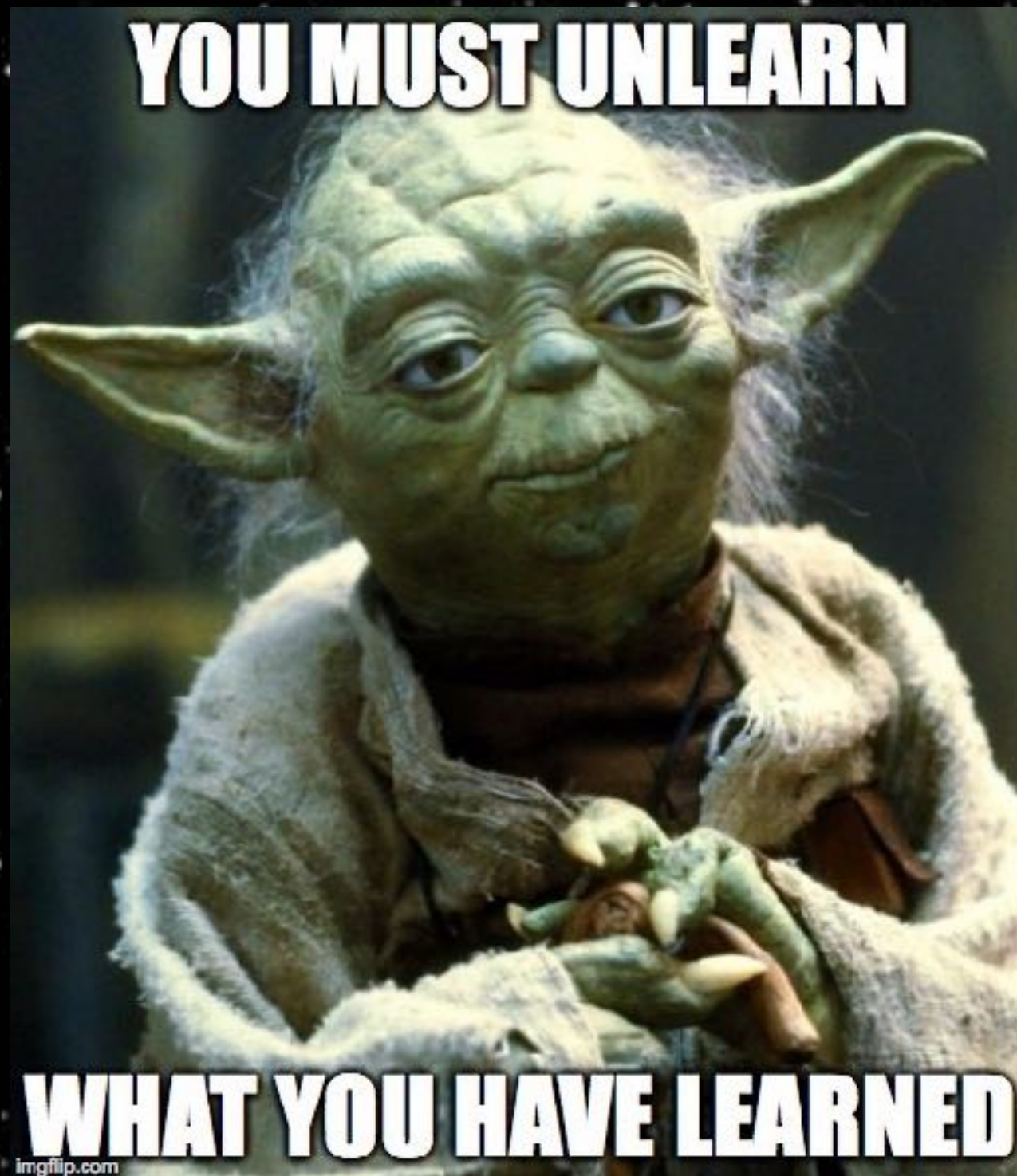
• Outcome

KEY RESULTS AND LIMITATIONS

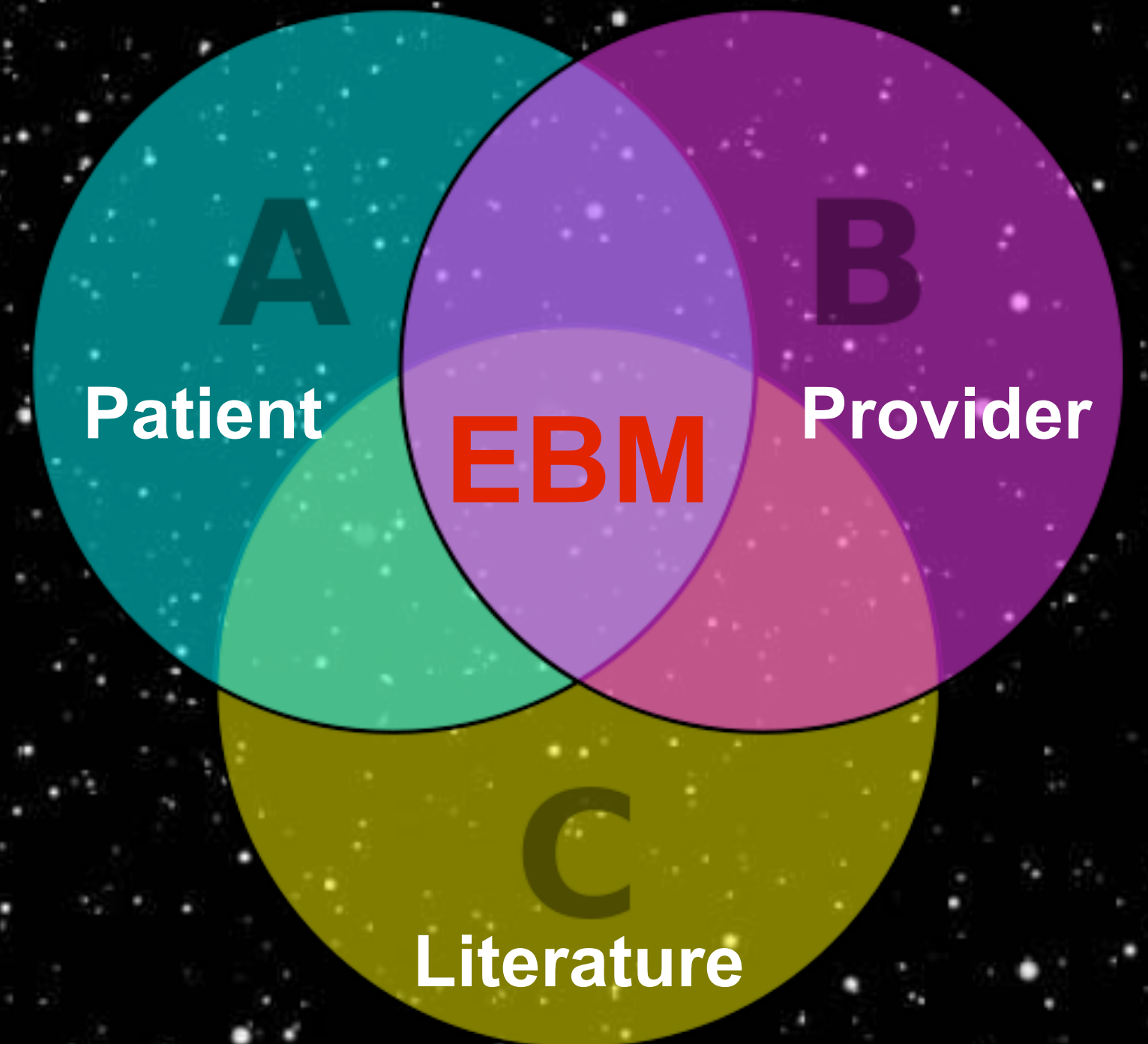


***12.5% DELAYED HEMOTHORAX
WORSE FUNCTIONAL OUTCOME***

STERNAL FRACTURES



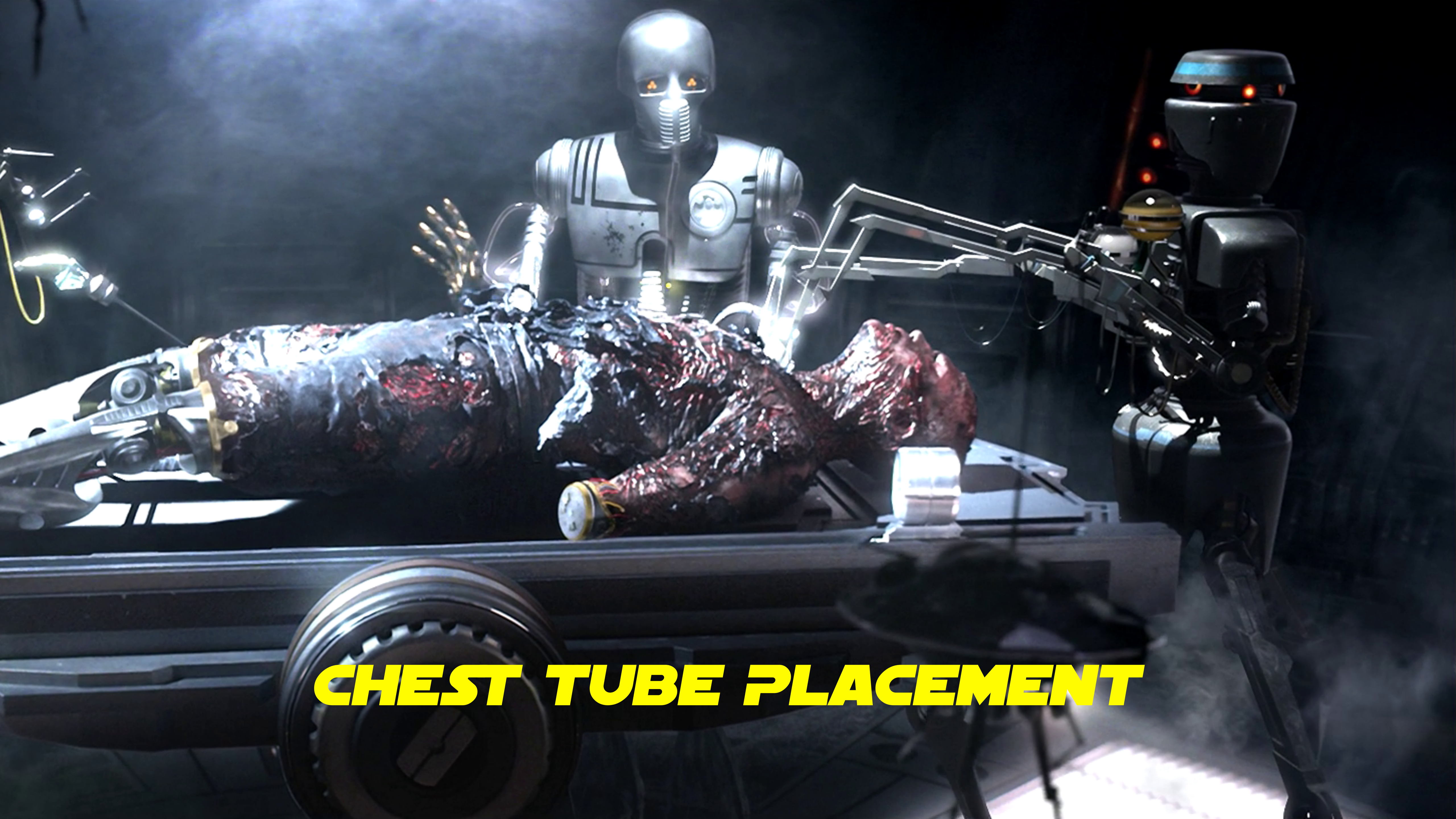
***PATIENTS WITH
ISOLATED STERNAL
FRACTURES HAVE A
RISK OF DELAYED
HEMOTHORAX.
NEED ADEQUATE
ANALGESIA AND F/U***



SCEM#161: BREAK ON THROUGH TO THE OTHER SIDE

ZDOGGMD: DOC VADER





CHEST TUBE PLACEMENT

Does chest tube location matter? An analysis of chest tube position and the need for secondary interventions

Matthew V. Bennis, MD, Michael E. Egger, MD, Brian G. Harbrecht, MD, Glen A. Franklin, MD, Jason W. Smith, MD, PhD, Keith R. Miller, MD, Nicholas A. Nash, MD, and J. David Richardson, MD, Louisville, Kentucky

J TRAUMA ACUTE CARE SURG 2015

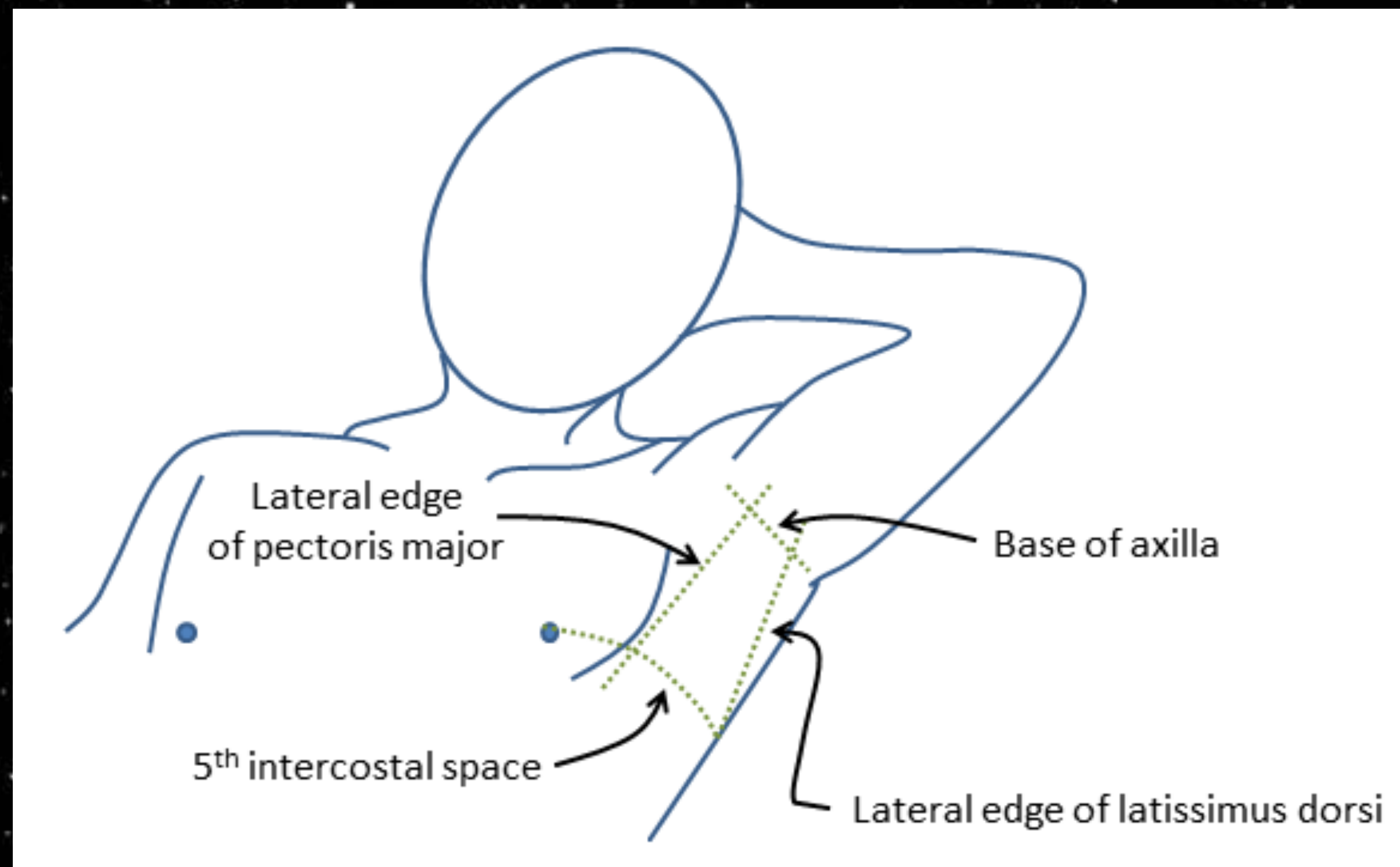


P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

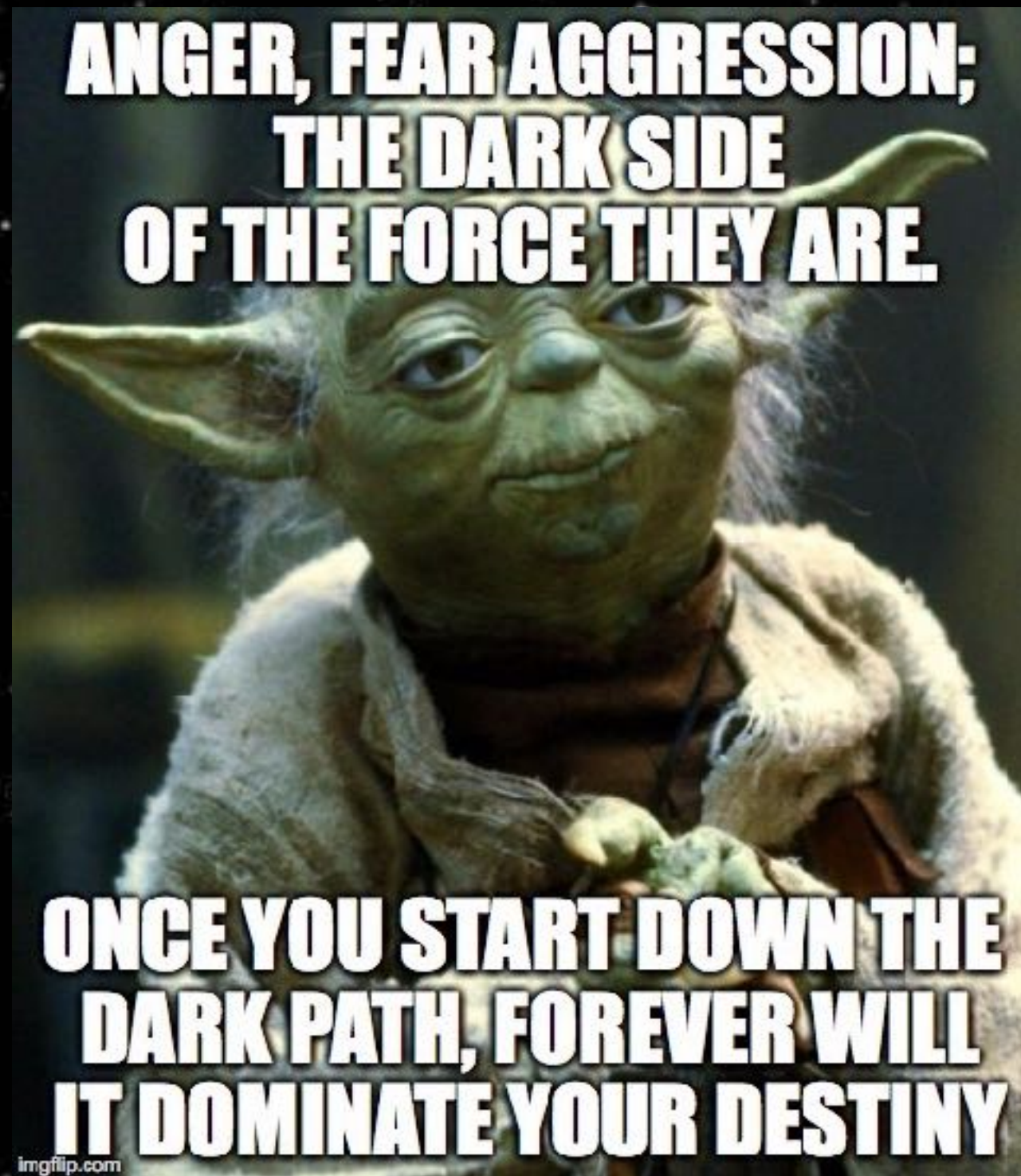


***LOCATION DID
NOT MATTER***

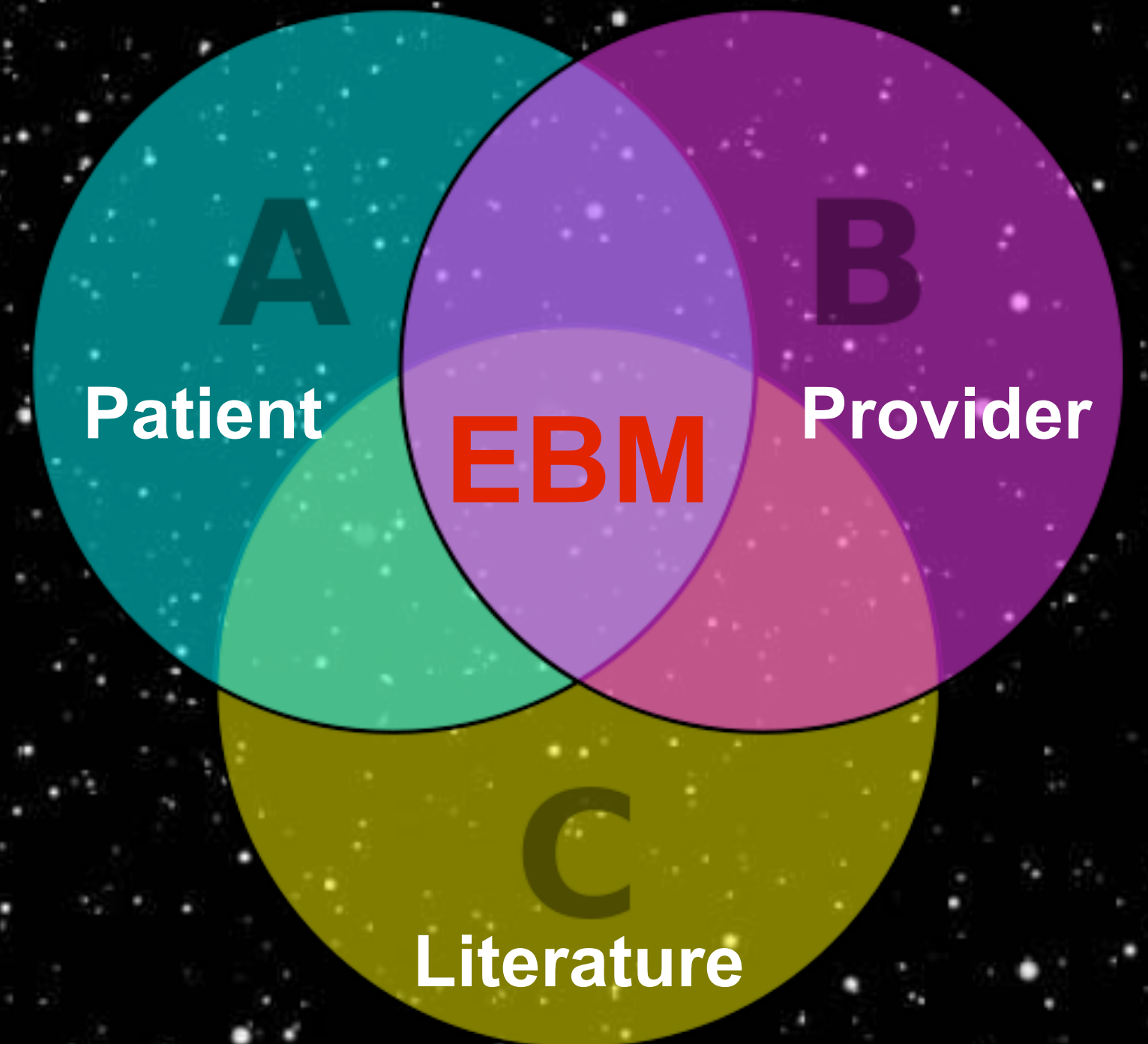


***TRIANGLE OF
SAFETY***

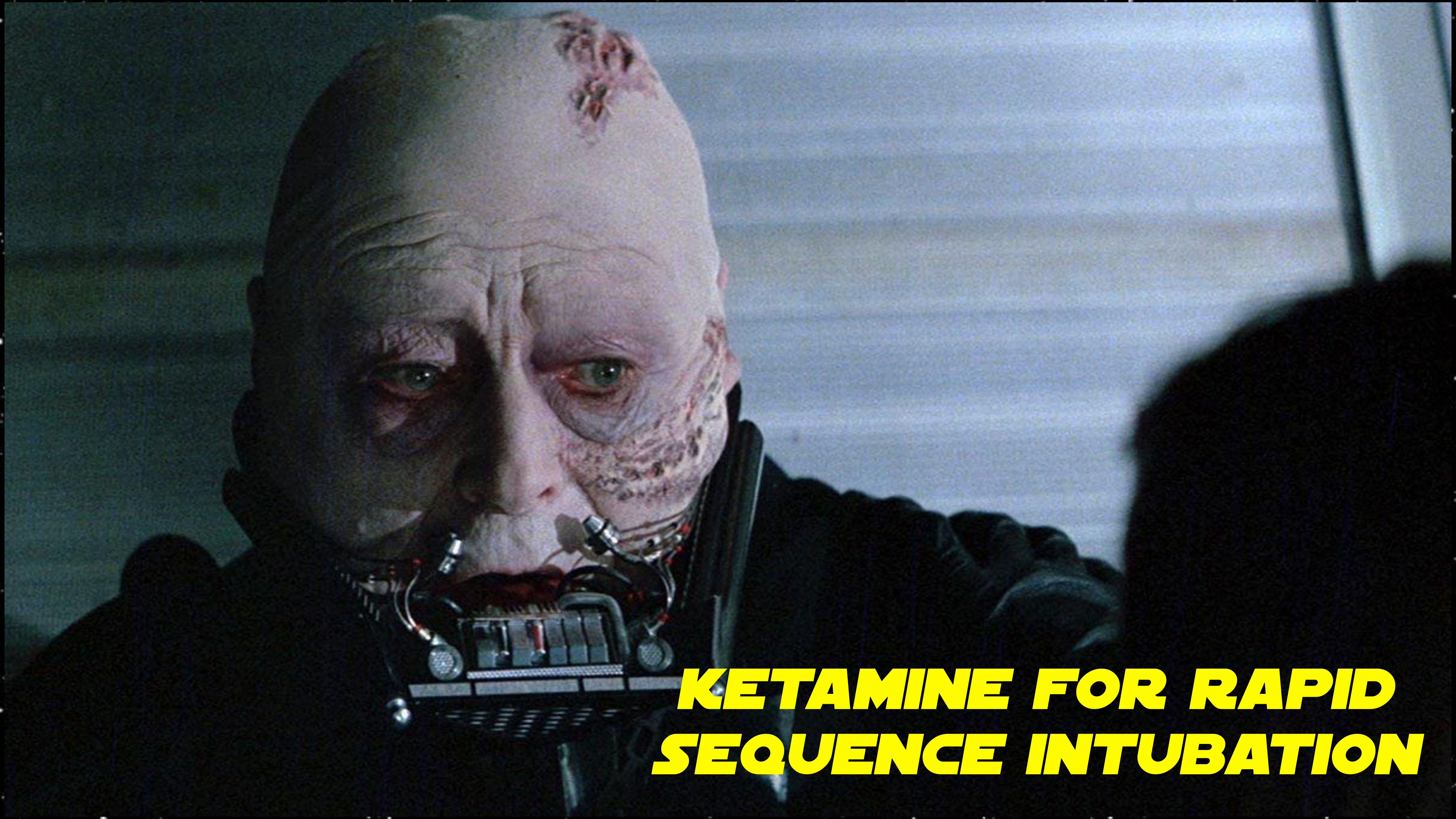
CHEST TUBE PLACEMENT



***PUT IT IN THE
CORRECT SIDE,
IN THE
TRIANGLE OF
SAFETY AND
IN THE
PLEURAL
SPACE.***





SGEM#129: THAT CHEST TUBE...SHE'S A BEAUTY



***KETAMINE FOR RAPID
SEQUENCE INTUBATION***

The Effect of Ketamine on Intracranial and Cerebral Perfusion Pressure and Health Outcomes: A Systematic Review

[Lindsay Cohen](#), MD, [Valerie Athaide](#), MD, FRCP(C), [Maeve E. Wickham](#), MSc, [Mary M. Doyle-Waters](#), MA, MLIS, [Nicholas G.W. Rose](#), MD, FRCP(C), [Corinne M. Hohl](#), MD, FRCP(C)  

ANNALS OF EM 2014



P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

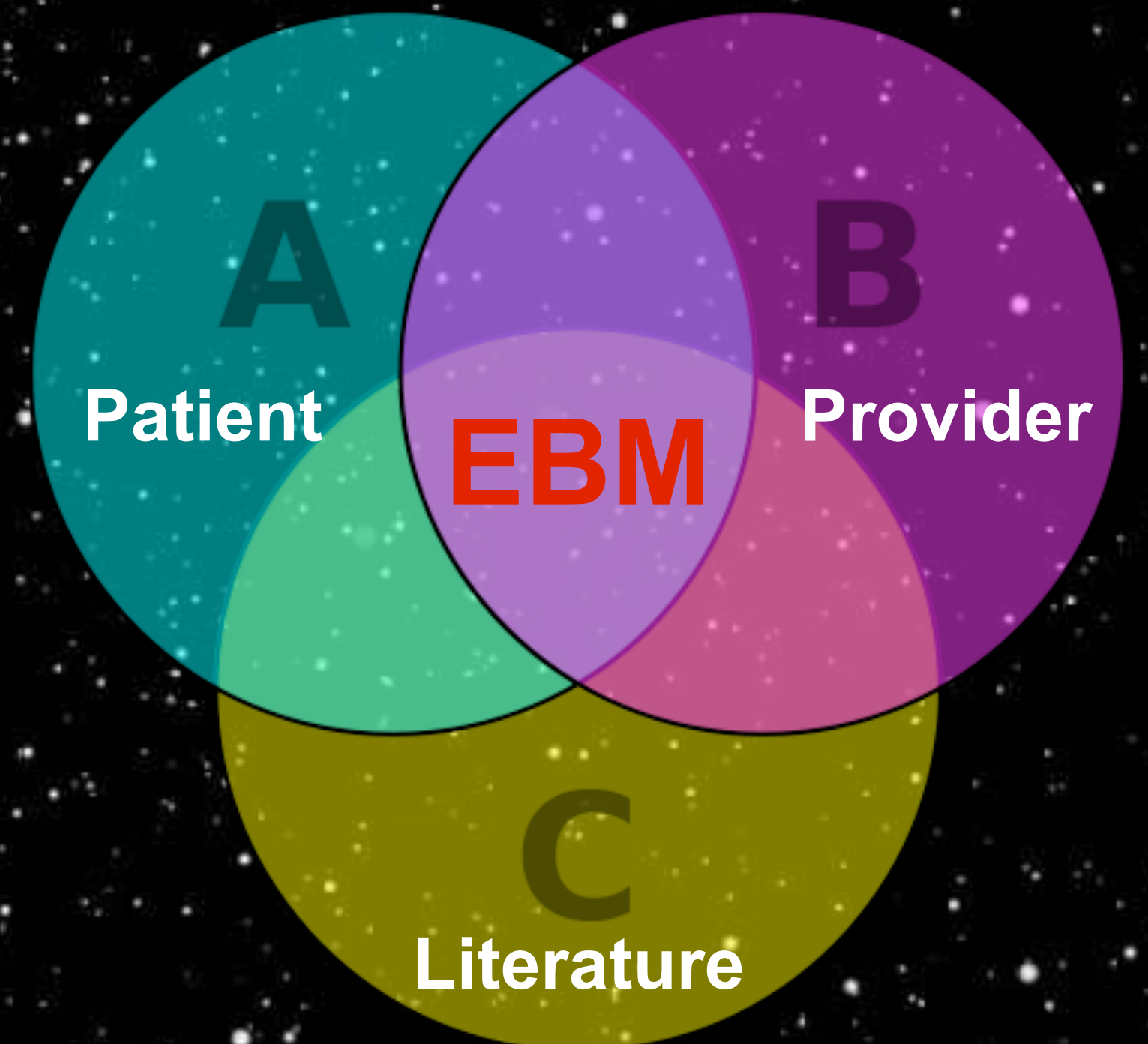


***NO DIFFERENCE
ICP/CPP/GCS/MORTALITY***

KETAMINE FOR RSI



***KETAMINE IS A
REASONABLE
ALTERNATIVE
INDUCTION AGENT
FOR PATIENTS
REQUIRING RSI.***



SCEM#93: KETAMINE - A BAD REPUTATION?

***MASSIVE
TRANSFUSION
PROTOCOLS***



Original Investigation

Transfusion of Plasma, Platelets, and Red Blood Cells in a 1:1:1 vs a 1:1:2 Ratio and Mortality in Patients With Severe Trauma The PROPPR Randomized Clinical Trial

John B. Holcomb, MD; Barbara C. Tilley, PhD; Sarah Baraniuk, PhD; Erin E. Fox, PhD; Charles E. Wade, PhD; Jeanette M. Podbielski, RN;

JAMA 2015



P	• Patient
I	• Intervention
C	• Comparison
O	• Outcome

KEY RESULTS AND LIMITATIONS

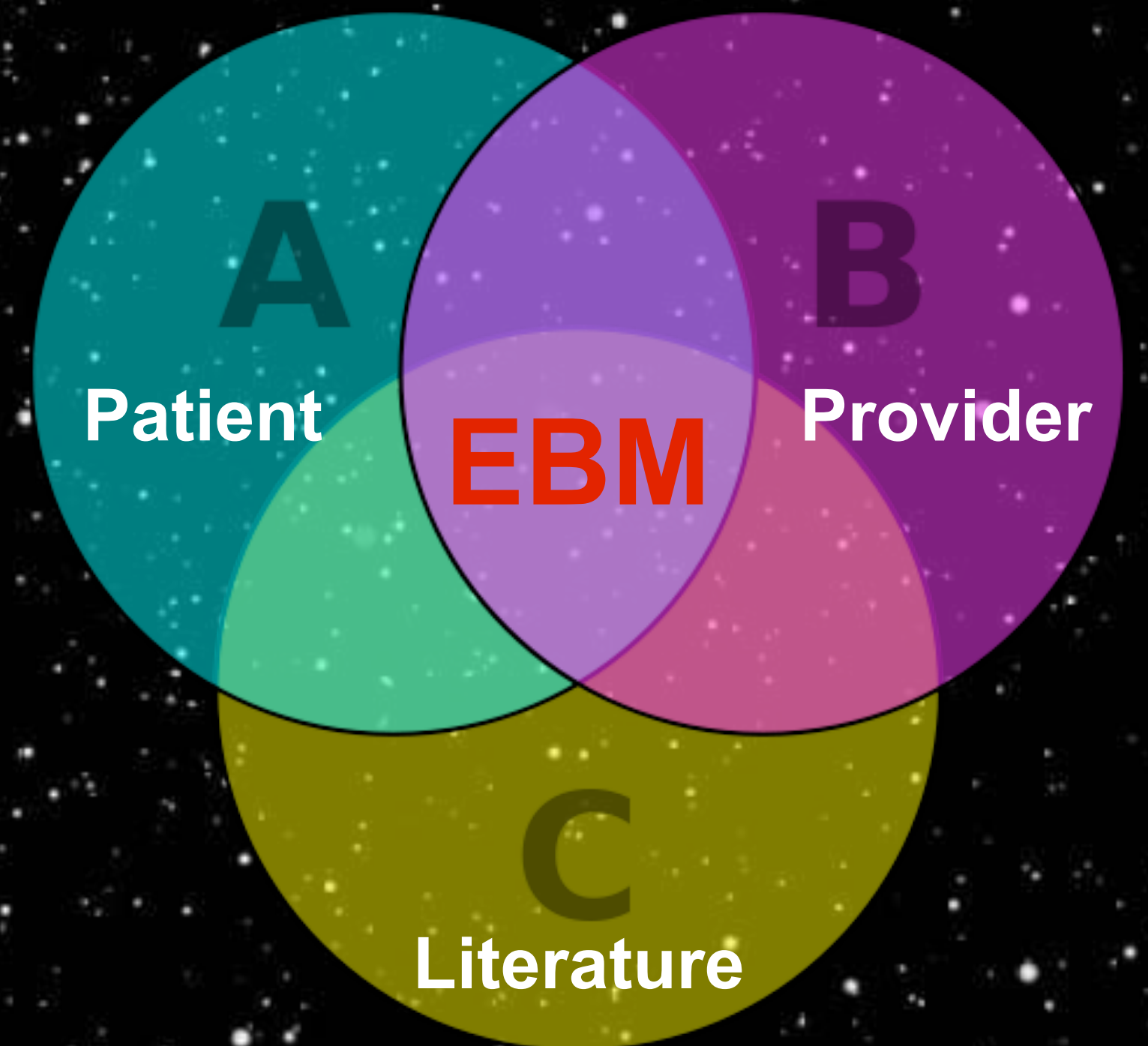


***NO DIFFERENCE
MORTALITY 24HR OR 30 DAYS***

MASSIVE TRANSFUSION PROTOCOLS



**1:1:1 STRATEGY
IS A
REASONABLE
APPROACH TO
ADULT ED
PATIENTS WHO
REQUIRE A
MASSIVE
TRANSFUSION**



SGEM#109: ONE PLATELET, ONE PLASMA AND ONE RBC

ZDOGGMD: DOC VADER



A LONG TIME AGO IN A GALAXY FAR FAR AWAY...

SUMMARY

- 1. CPR - MAN OR MACHINE?***
- 2. HYPERTONIC SALINE FOR TBI***
- 3. STERNAL FRACTURES***
- 4. CHEST TUBE PLACEMENT***
- 5. KETAMINE FOR RSI***
- 6. MASSIVE TRANSFUSION***



TALES FROM THE OUTER RIM

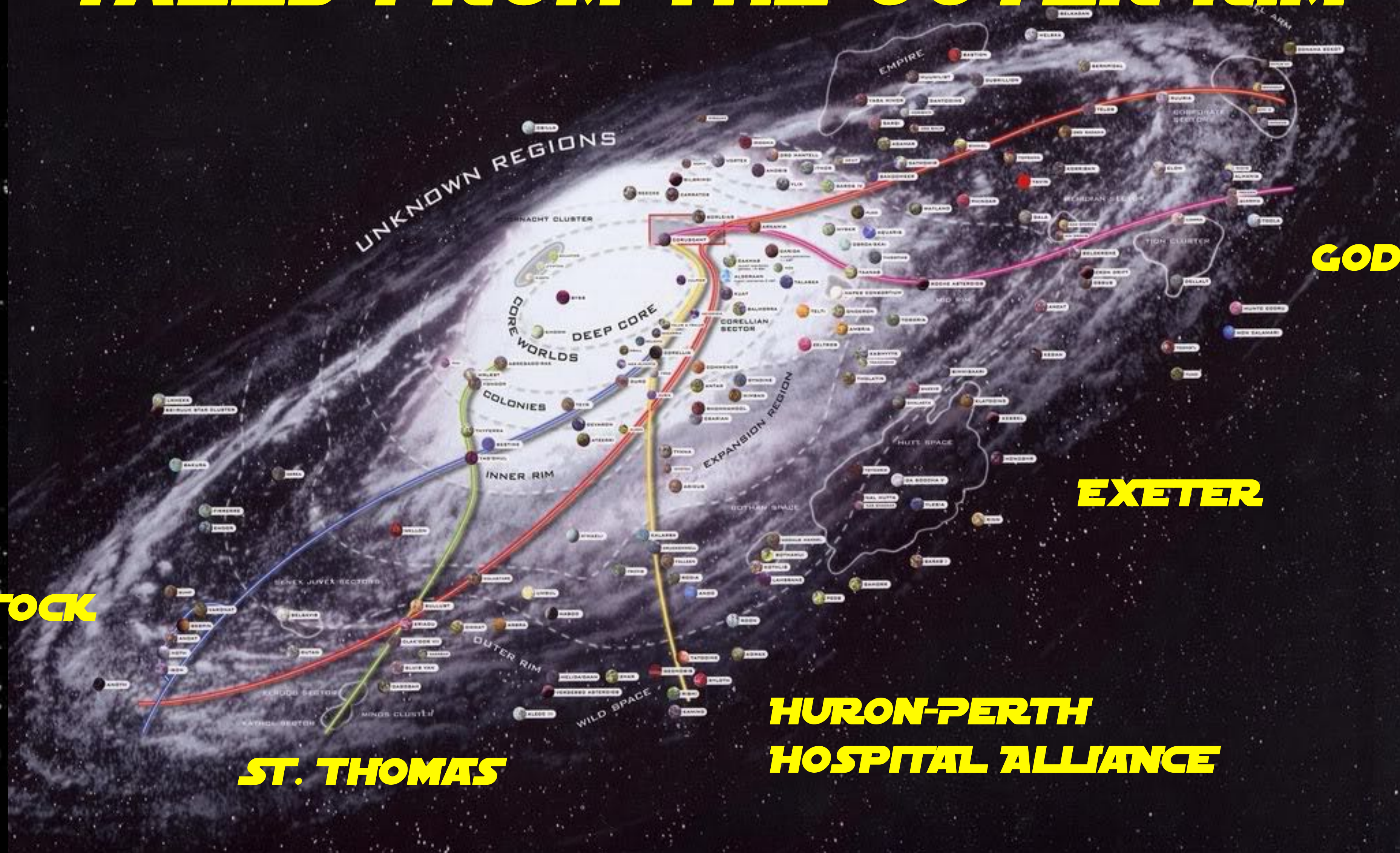
***RURAL
ACE***

***IT ALL
DEPENDS***

***BE A
SKEPTIC***



TALK TRAUMA 2017: TALES FROM THE OUTER RIM



GODERICH

EXETER

WOODSTOCK

HURON-PERTH HOSPITAL ALLIANCE

ST. THOMAS